

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Galectin-10 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human Galectin-1, -2, -3, -4, -7, -8, or -9/Ecalectin is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 561603
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Galectin-10 Met1-Arg142 Accession # Q05315
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human peripheral blood lymphocytes

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

## BACKGROUND

Galectin-10 (also eosinophil lysophospholipase and Charcot-Leyden Crystal protein) is a 16 kDa member of the lectin family of proteins. It is expressed intracellularly by eosinophils, basophils and CD25<sup>+</sup> Treg cells. Although originally believed to possess lysophospholipase activity, this has been shown to be incorrect. It is known to bind lysophospholipase and its inhibitors, and to bind mannose in a very unusual manner. Human Galectin-10 is 142 amino acids (aa) in length. There is one galectin domain (aa 6-138) that contains two dimerization motifs (aa 6-10 and 131-135). Two molecular weight isoforms of 15 and 14 kDa have been described. Human Galectin-10 has no known structural counterpart in rodents.

## PRODUCT SPECIFIC NOTICES

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